

ELECTRICAL DISTRIBUTION SYSTEM UPGRADE

TAKOTNA, ALASKA

ENVIRONMENTAL REVIEW RECORD

March 2010

Prepared by:



TABLE OF CONTENTS

Section 1	Village Data
Section 2	Project Identification
Section 3	Project Description
Section 4	Environmental Review Finding
Section 5	Environmental Assessment, Impact Categories
Section 6	Statutory Worksheet
Section 7	Finding of No Significant Impact (FONSI)
Section 8	Wetlands Protection, U.S. Army Corps of Engineers Review
Section 9	Historic Preservation Act. State Historic Preservation Office



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Commerce

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Community Database Online State of Alaska > Commerce > DCRA > Community Database Online > Details

Takotna

For Photos of Takotna click here For Maps of Takotna click here

Community Overview

Current Population: 46 (2008 Estimated Population (not Certified))

Pronunciation/Other Names: (tuh-KOTT-nuh)
Incorporation Type: Unincorporated
Borough Located In: Unorganized

School District: Iditarod Area Schools

Regional Native Corporation: Doyon, Limited

Location:

Takotna is located in Interior Alaska on the north bank of the Takotna River in a broad scenic river valley, 17 air miles west of McGrath in the Kilbuck-Kuskokwim Mountains. It lies at approximately 62.988610 North Latitude and -156.064170 West Longitude. (Sec. 35, T034N, R036W, Seward Meridian.) Takotna is located in the Mt. McKinley Recording District. Takotna has a cold, continental climate. Summer temperatures average 42 to 80, winter temperatures range from -42 to 0. The Takotna River is generally ice-free from June through October.

History:

Takotna has been known as Berry Landing, Portage City, Takotna City, Takotna Station, and Tocotna. In 1908, merchants in Bethel hired Arthur Berry to bring supplies up the Takotna River. The village was founded at the farthest point on the river Berry's small sternwheeler was able to reach. By 1912, the community had several stores which supplied miners. Gold discoveries in the upper Innoko Region enabled the town to prosper. By 1919, there were several commercial companies, roadhouses, a post office, and about 50 houses. In 1921, the Alaska Road Commission improved the Takotna-Ophir road, and an airfield was constructed. In 1923, a radio station began broadcasting in Takotna, and the town had its own newspaper, The Kusko Times. Low waters at times precluded the arrival of steamboats, so the Takotna-Sterling Landing road was constructed to the Kuskokwim River in 1930. During the 30s, however, McGrath became the more dominant supply center, and the ACC store closed. In 1949, construction was begun on nearby Tatalina Air Force Station. It was the site of a White Alice communications system, but operations were phased out during the 1980s.

Culture:

Takotna is a mixed population of non-Natives, Ingalik Athabascans and Eskimos. Subsistence is a prevalent activity. The sale of alcohol is prohibited in the village.

Economy:

Takotna has a combined cash and subsistence economy. Employment is through the school district, post office, clinic, local businesses and seasonal construction. Most residents are involved in subsistence activities. Moose and salmon are the primary meat sources. Many residents garden during the summer.

Facilities:

Water from Gold Creek is treated and hauled by residents from the washeteria. Water is also hauled from the Takotna Waterworks. Approximately 20% of homes have storage tanks with running water for the kitchen, but no homes are completely plumbed. Community buildings use individual wells and septic tanks. Honeybuckets and outhouses are used for sewage disposal. The high school has no running water or restrooms.

Transportation:

Access to Takotna is by air or water. There is a State-owned 1,717' long by 65' wide gravel airstrip, and a 3,800' gravel runway at Tatalina Air Force Station 10 miles southeast of town. Cargo is offloaded at Sterling Landing, 24 miles southeast of Takotna. The community has 80 miles of local roads that connect with Tatalina AFS, Sterling Landing and existing mines. A winter trail is marked to McGrath (20 mi.) It is a check point for the Iditarod sled dog race.

Climate:

Takotna has a cold, continental climate. Summer temperatures average 42 to 80, winter temperatures range from -42 to 0. The Takotna River is generally ice-free from June through October.

2000 Population and Housing Characteristics The following

Population and Housing data is from the 2000 U.S. Census.

Additional detail is available from the Alaska Department of Labor and Workforce Development, Census and Geographic Information Network and the U.S. Census Bureau's American FactFinder. **Takotna** is located in the **Yukon-Koyukuk** Census Area.

Population by Race:

Population in 2000: 50 White: 29 Alaska Native or Amer. Indian: 21 Black: 0 Asian: 0 Hawaiian Native: 0 Other Race: 0 Two or More Races: 0 Percent Native*: 42.00% (*Percent reporting Alaska Native alone or in combination with one or more races) All or Part Alaska Native/Indian: 21 Hispanic Origin (Any Race): 0 Not Hispanic (Any Race): 50 Population by Gender and Age: 24 Female: 26 Age 4 and under: 26 Age 5 - 9: 9 Age 10 - 14: 45 Age 15 - 19: 4 Age 20 - 24: 2 Age 25 - 34: 3 Age 35 - 44: 48 Age 45 - 54: 49 Age 60 - 64: 49 Age 65 - 74: 49 Age 75 - 84: 41 Age 85 and over: 0 Median Age: 32 Pop. Age 18 and 32	· openation by racor	
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over:

Census Population History:

1880: 0 1890: 0 1900: 0 1910: 0 0 1920: 65 1930: 70 1940: 42 1950: 1960: 40 0 1970: 1980: 48 1990: 38 50 2000: Comments:

Housing Characteristics:

Total Housing Units:	49
Occupied Housing (Households):	19
Vacant Housing:	30
Vacant Due to Seasonal Use:	9
Owner-Occupied Housing:	9
Median Value Owned Homes:	\$65,000
Renter-Occupied Housing:	10
Median Rent Paid:	\$413
Total Households:	19
Avg. Household Size:	2.63
Family Households:	12
Avg. Family Household Size:	3.25
Non-Family Households:	7
Pop. Living in Households:	50
Pop. Living in Group Quarters:	0

The following Census figures are estimates, based on a sample. The percent of all households sampled in Takotna during the 2000 Census was **49**%.

Housing Structure Types:

Single Family (Detached):

Single Family 0

Attached:	
Duplex:	0
3 or 4 Units:	0
5 to 9 Units:	0
10 to 19 Units:	0
20 plus Units:	0
Trailers/Mobile Homes:	0
Boats/Other Types:	0

Plumbing/Kitchen/Phones/Heating:

Total Households:	19
Percent of Households That	
Lack Complete Plumbing (lack sink, bath/shower or flush toilet):	79.0%
Lack a Complete Kitchen (lack stove, fridge or running water):	89.5%
Lack Phone Service:	57.9%
Heat Using Electricity:	0.0%
Heat Using Fuel Oil, Kerosene:	63.2%
Heat Using Wood:	36.8%
Heat Using Piped Gas (utility):	0.0%
Heat Using Bottled, Tank, LP Gas:	0.0%
Heat Using Coal or Coke:	0.0%
Heat Using Solar Energy:	0.0%
Heat Using Other Fuel:	0.0%
Use No Fuel:	0.0%

1990 Population and Housing Characteristics

The following Population and Housing data is from the **1990 U.S. Census**. Additional detail is available from the Census Bureau's American FactFinder. **Note:** Some 2000 U.S. Census figures are currently available. Comparable data between 1990 and 2000 may not be available. The population of Takotna during the **2000 Census was 50**.

Takotna is located in the Yukon Koyukuk Census Area.

Population by Race:

· opaidion by rador	
Population in 1990:	38
White:	20
American Indian:	17
Eskimo:	0
Aleut:	0
Black:	0
Asian/Pacific Islands:	1
Other Race:	0
Total Native Population:	17
Total Non-Native Population:	21
Percent Native:	44.7%
Male Population:	20

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Female Population:	18
Housing Characteristics:	
Total Housing Units:	40
Occupied Housing:	15
Vacant Housing:	25
Owner Occupied Housing:	10
Median Value Owned Homes:	\$15,000
Renter Occupied Housing:	5
Median Rent Paid:	\$275
Pop. in Owned Units:	27
Pop. in Rented Units:	11
Pop. in Institutions:	0
Pop. in Group Quarters:	0
Housing Structure Types:	
Single Family (Detached):	40
Single Family Attached:	0
Duplex:	0
3 or 4 Units:	0
5 to 9 Units:	0
10 to 19 Units:	0
20 plus Units:	0
Trailers/Mobile Homes:	0
Boats/Other Types:	0
Household Types:	
Occupied Households:	15
Family Households:	9
Non-Related Households:	6
Avg. Persons per House:	2.50

The following Census figures are estimates, based on a sample.

The percent of all households sampled in Takotna during the 1990 Census was **50**%.

Plumbing/Water/Sewer/Heating/Phones:

Plumbing, Percent o	fΗ	ouse	holo	ls T	hat
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lack Complete Plumbing (lack sink, bath/snower or flush toilet):	97.4%
Lack a Complete Kitchen (lack stove, fridge or running water):	78.9%

Water, Percent of Households Using

Public Water System:	78.9%
Individual Well:	2.6%
Other (River, Cistern, etc.):	18.4%

Sewer, Percent of Households Using

Public Sewer System:	0.0%
Individual Septic Tank/Cesspool:	23.7%
Other Disposal (Honeybucket, Outhouse, etc.):	76.3%

Heating Methods, Percent of Households Using:

Electricity:	0.0%
Fuel Oil, Kerosene:	21.4%
Wood:	78.6%
Piped Gas (utility):	0.0%

Bottled, Tank, LP Gas:	0.0%
Coal or Coke:	0.0%
Solar Energy:	0.0%
Other Fuel:	0.0%
No Fuel Used:	0.0%

Phones, Percent of Households That:

Do Not Have Phone Service: 81.6%

Economy, Employment, Income and Poverty

General Description of the Local Economy:

Takotna has a combined cash and subsistence economy. Employment is through the school district, post office, clinic, local businesses and seasonal construction. Most residents are involved in subsistence activities. Moose and salmon are the primary meat sources. Many residents garden during the summer.

The following Income and Employment data is from the 2000 U.S. Census.

Additional detail is available from the Alaska Department of Labor and Workforce Development, Census and Geographic Information Network

and the U.S. Census Bureau's American FactFinder.

Income and Poverty Levels:

These figures are estimates based on a sample, and are subject to sampling variability. The percent of all households sampled in Takotna was 49%.

Note: Current socio-economic measures could differ significantly.

Takotna is located in the Yukon-Koyukuk Census Area.

Per Capita Income:	\$13,143
Median Household Income:	\$14,583
Median Family Income:	\$17,500
Persons in Poverty:	6
Percent Below Poverty:	16.2%

Sales & Office:

Employment:								
Total Potential Work Force (Age 16+):	29							
Total Employment:								
Civilian Employment:								
Military Employment:	0							
Civilian Unemployed (And Seeking Work):	0							
Percent Unemployed:	0.0%							
Adults Not in Labor Force (Not Seeking Work):	17							
Percent of All 16+ Not Working (Unemployed + Not Seeking):	58.6%							
Private Wage & Salary Workers:	3							
Self-Employed Workers (in own not incorporated business):	0							
Government Workers (City, Borough, State, Federal):	9							
Unpaid Family Workers:	0							
Employment by Occupation:								
Management, Professional & Related:	8							
Service:	2							

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Farming, Fishing & Forestry:	0					
Construction, Extraction & Maintenance:	0					
Production, Transportation & Material Moving:	0					
Employment by Industry:						
Agriculture, Forestry, Fishing & Hunting, Mining:	0					
Construction:	1					
Manufacturing:	0					
Wholesale Trade:	0					
Retail Trade:	0					
Transportation, Warehousing & Utilities:	0					
Information:	2					
Finance, Insurance, Real Estate, Rental & Leasing:	0					
Professional, Scientific, Management, Administrative & Waste Mgmt:	0					
Education, Health & Social Services:	9					
Arts, Entertainment, Recreation, Accommodation & Food Services:	0					
Other Services (Except Public Admin):	0					
Public Administration:	0					
Facilities, Utilities and Services						
General Description of Local Facilities						
Water from Gold Creek is treated and hauled by residents from the washeteria. Water is also hauled from Waterworks. Approximately 20% of homes have storage tapks with running water for the kitchen, but no						

Water from Gold Creek is treated and hauled by residents from the washeteria. Water is also hauled from the Takotna Waterworks. Approximately 20% of homes have storage tanks with running water for the kitchen, but no homes are completely plumbed. Community buildings use individual wells and septic tanks. Honeybuckets and outhouses are used for sewage disposal. The high school has no running water or restrooms.

Water Distribution, Source & Treatment Systems:

Water System Operator: Village Council; Individuals

Washeteria Operator: Village Council

Piped Water System: No

Central Watering Point

(Haul):

Yes

Multiple Watering Points: No
Water Truck (Delivery): No
Individual Wells: Yes
Community Well Source: No
Surface Water Source: Yes

DEC Water Permit Number: 280163, 280252

Water Is Filtered: Yes Water Is Chlorinated: Yes

Sewage Collection Systems:

Sewer System Operator: Individuals

Piped Sewer System: No
Honeybucket Haul: No
Honeybucket Pits: Yes
Individual Septic Tanks: Yes
Community Septic Tank: No
Sewage Pumper: No
Sewage Lagoon: No

Sewage Lift Station: No
Outhouses: Yes

Refuse/Landfill System:

Refuse Collector: Not available

Landfill Operator: Village Council/ Community Assc

DEC Landfill Permit: Yes

Type of Landfill: Class 3, 9021-BA003, Expired

Electric Utility:

Electric Utility Name: Takotna Community Assoc. Utilities

Utility Operator: Community Non-Profit

Power Source: Diesel KiloWatt Capacity: 185

Rate/KiloWatt Hour: 0.0 cents/KWH (Only data for PCE Communities is available on this system)

Power Cost Equalization

(PCE) Subsidy:

No (The full PCE report with data notes is available here)

Bulk Fuel:

Tank Owners

(Number of tanks / Total capacity): Takotna Community Assoc. (173,400 gals.)

Health Care:

Clinic/Hospital in Community:

Takotna Clinic (907-298-2214)

Clinic/Hospital Phone

Number:

907-298-2214

Operator: TCC (907-452-8251) www.tananachiefs.org

Owner: Village Council

Facility Status: The well water is of poor quality; the clinic uses a septic tank. The clinic needs expansion.

Alternate Health Care: Takotna EMS (Clinic 298-2214/2114)

Takotna is classified as an isolated village, it is found in EMS Region 1C in the Interior Region.

Emergency Services have limited highway, river and air access. Emergency service is provided

by volunteers and a health aide

Visitor Accomodations/Information:

Airline Services: Tanana Air Service

Taxis:

Car Rentals:
Accomodations:
Visitor Attractions:
Cultural Events:

Health Comments:

Local Services & Facilities:

Police: Troopers in Bethel (543-2294)

Fire/Rescue: Takotna EMS (Clinic 298-2214/2114)

Court/Magistrate:

Youth Center:

Community Hall: Community Hall

Senior Services:

Gym or Pool:

Bingo:

Movie Theater:

Museum:

Library: Community Library

Communications:

In-State Phone: United Utilities, Inc.

Long-Distance Phone: AT&T Alascom; United Utilities, Inc.
Internet Service Provider: School Only - GCI (www.gci.net)

TV Stations: ARCS
Radio Stations: KSKO-AM
Cable Provider: None

Teleconferencing: Alaska Teleconferencing Network

School District and Schools

Contact information for Alaska School Districts and Schools is available at the Department of Education and Early Development's Website

School District

District Name: **Iditarod Area Schools REAA** Operated By: 8 Total Number of Schools: **Total Number of Teachers:** 27 Total Number of Students: 282 Student/Teacher Ratio: 9.5 Dropout Rate (9-12 Grade): 11.4% Percent Native Students: 72.0% Geographic Cost Differential 1.705 (FY 2009): Expenditures Per ADM \$21,402 (FY 2008):

Schools Located in Takotna

School Name	Grades	Number of	Number of	
	Taught	Students	Teachers	
Takotna Community School	K thru 12	12	2	

Municipal Officials and Employees

Takotna is Unincorporated, so there are no city or borough "officials" in this community. See the Community/Regional Contacts information for other organizations.

Local Contacts and Regional/State Organizations with Local Offices

Takotna Community Assoc., Inc.

P.O. Box 7509

Takotna, AK 99675

Phone: 907-298-2211

Dick Newton, Chairperson

Fax: 907-298-2325
E-Mail: tca@starband.net

(Community Non-Profit)

Takotna Village

P.O. Box 7529

Takotna, AK 99675

Vera Lynn Goods, Chief

Phone: 907-298-2212 Fax: 907-298-2314

E-Mail: takotnatc@starband.net

(Village Council; BIA-Recognized Traditional Council)

Municipal Finances

Takotna is not incorporated as a municipality.

Consequently, there are no city or borough "finances" for this community.

Business Licenses (Rural)

The records below reflect current business licenses on file with the Department of Community and Economic Development, Division of Occupational Licensing, Business Licensing Section. These licenses may not represent actual business activity. For more information on a specific business, use Commerce's "Business License Search website.

There are 7 current business licenses in Takotna.

Business Name	Business License Number
C-GOTT SERVICES	288808
C-GOTT SERVICES	288808
DICK'S GENERAL SERVICES	103017
GOLD CREEK NATIVE STORE	308559
GOLD CREEK NATIVE STORE	308559
SAM BARGING, INC.	741758
TAKOTNA COMMUNITY ASSOCIATION	718861

Capital Projects and Grants

For more information on a specific project, contact the Lead Agency.

Lead Agency	Fiscal Year	Project Status	Project Description/Comments	Project Stage	Total Cost	Schedule	Contractor
DOT&PF	2010	Funded	Airport Relocation - Comments: This amends an existing FY2009 project, increasing the FY2009 project to \$10,500,000. Relocate the airport to a new location about a mile east of the village. This will include acquiring property and constructing the following to current standards: new runway, taxiway, apron, airport lighting and visual aids, snow removal equipment building and an airport access road.	Preliminary	\$5,000,000	Beg Date: 4/19/09, End Date: 6/30/14	
DOT&PF	2009	Funded	Airport Relocation - Comments: Airport Improvement Program: Construction	Preliminary	\$5,500,000	Appropriation Date 7/1/08, Lapse Date 6/30/13	
DEC/VSW	2005	Funded	WTP and Septic System Improvements - Comments: USDA/RD - 2005 - \$201,700.	Preliminary	\$269,000	31-Dec-08	
BIA	2002	Funded	Bridge Project	Preliminary	\$32,500	Summer 2004-2005	

		_		_			
HUD	2009	Funded	Indian Housing Block Grant - Comments: NAHASDA administration, operating & construction funds	Contract	\$49,715		Interior Regional Housing Authority
HUD	2008	Funded	Indian Housing Block Grant - Comments: NAHASDA administration, operating & construction funds	Design	\$48,660		Interior Regional Housing Authority
DOT&PF	2003	Funded	Takotna Airport Relocation	Design	\$1,393,000	3/15/06	
DEC/VSW	2010	Funded	Water and Sewer System Upgrades - Comments: OTHER FUNDING: Indian Health Service \$206,500. Design and construction of a water storage tank and water sewer system upgrades.	Construction	\$423,614	Beg Date: 7/1/09, End Date: 6/30/14	Takotna, Village of
DEC/VSW	2009	Funded	Design and Construction of Water and Sewer Facilities - Comments: OTHER FUNDING: Indian Health Service \$415,000	Construction	\$767,140	Appropriation Date 7/1/08, Lapse Date 6/30/13	
Lead Agency	Fiscal Year	Project Status	Project Description/Comments	Project Stage	Total Cost	Schedule	Contractor
HUD	2007	Funded	Indian Housing Block Grant - Comments: NAHASDA administration, operating & construction fundsIndian Housing Block Grant	Construction	\$33,040		Interior Regional Housing Authority
DCRA	2007	Funded	Ophir Road System Maintenance - Comments: Legislative Grant	Completed	\$50,000	Closed 4/25/07	Takotna Community Association, Inc.
ANTHC	2006	Funded	Purchase and Install Telepharmacy Equipment In Existing Clinic Comments: OTHER FUNDING: Denali Commission \$26,775; Rasmuson Foundation \$13,387; Rural Anchorage Service Unit (RASU) \$13,388.	Completed	\$53,550	Start 8/1/07, End 8/15/07	Southcentral Foundation
HUD	2006	Funded	Indian Housing Block Grant - Comments: NAHASDA administration, operating & construction funds	Completed	\$33,345		Interior Regional Housing Authority
DCRA	2005	Funded	Community Master Plan - Comments: Mini-Grant. Funded through Denali Commission.	Completed	\$25,600		Takotna Community Association
Denali	2005	Funded	Burn Box Design & Construction - Comments: Local Share = In-Kind Match: \$33,000.	Completed	\$120,500	Project Close-out: 11/2/06	Takotna Tribal Council
HUD	2005	Funded	Indian Housing Block Grant - Comments: NAHASDA administration, operating & construction funds	Completed	\$33,848		Interior Regional Housing Authority
AEA- RPSU	2004	Funded	RPSU powerhouse and distribution upgrade - Comments: OTHER FUNDING: Denali Commission and RUS. Middle Kuskokwim Regional Energy Project. RPSU powerhouse and distribution upgrades.	Completed	\$1,200,000		St. George
HUD	2004	Funded	Indian Housing Block Grant - Comments: NAHASDA administration, operating & construction funds	Completed	\$36,687		Interior Regional Housing Authority
DCRA	2003	Funded	Office & Lodge Renovation -	Completed	\$26,316		

Comments: Capital Matching

Lead Agency	Fiscal Year	Project Status	Comments: Capital Matching	Project Stage	Total Cost	Schedule	Contractor
HUD	2003	Funded	Project Description/Comments Indian Housing Block Grant - Comments: NAHASDA administration, operating & construction fundsIndian Housing Block Grant	Completed	\$25,000	Scriedule	Interior Regional Housing Authority
DEC/VSW	2003	Funded	Sanitation Facilities Improvement Project - Comments: IHS Regular - 2003 - \$237,000. Replace sand filters, piping, valves, and equipment in the water treatment plant.	Completed	\$237,000	1-Jun-06	
DCRA	2002	Funded	Utility Office Lodge Construction - Comments: Capital Matching	Completed	\$26,316		
DEED	2002	Funded	Takotna School Water Project	Completed	\$192,374	June 2002- June 2003	
AEA-BF	2002	Funded	Bulk Fuel Facility - Comments: OTHER FUNDING: Denali Commission \$1,214,494; RSA from DEC; \$31,040. Replaced the gasoline dispensing tank in Takotna with a code compliant tank and install a marine header and pipeline so it could be refilled. Shell capacity for gasoline is 25 000 gallons and 100 000 for diesel.	Completed	\$1,256,350	Jan 2002 to June 2006	
HUD	2002	Funded	Indian Housing Block Grant - Comments: NAHASDA administration, operating & construction funds	Completed	\$25,000		
ANTHC	2002	Funded	Design New Health Clinic - Comments: OTHER FUNDING: Denali Commission.	Completed	\$161,014	Start 1/31/03, End 4/5/05	
HUD	2000	Funded	Indian Housing Block Grant - Comments: NAHASDA administration, operating & construction funds	Completed	\$25,000		Interior Reg HA
DCRA	2000	Funded	Firehouse Repairs - Comments: Capital Matching	Completed	\$26,352		Takotna Community Association
FAA	2000	Funded	Conduct Airport Master Plan Study - Comments: OTHER FUNDING: AkDOT/PF	Completed	\$218,309	Closed Date 7/3/07	AkDOT/PF
Lead Agency	Fiscal Year	Project Status	Project Description/Comments	Project Stage	Total Cost	Schedule	Contractor
DCRA	1999	Funded	Utility/Lodge Building - Comments: Capital MatchingUtility/Lodge Building	Completed	\$125,000		
HUD	1999	Funded	Indian Housing Block Grant - Comments: NAHASDA administration, operating & construction funds	Completed	\$25,000		Interior Reg HA
FAA	1999	Funded	Conduct Airport Master Plan Study - Comments: OTHER FUNDING: AkDOT/PF	Completed	\$85,905	Closed Date 9/13/02	AkDOT/PF
HUD	1998	Funded	Indian Housing Block Grant - Comments: NAHASDA administration, operating & construction funds	Completed	\$50,000		Interior Reg HA
AEA-BF	1998	Funded	School Bulk Fuel Tank Design - Comments: OTHER FUNDING: RSA	Completed	\$65,000		

			through DEC from Dept. of Education. Local priority, from 1997 USDA/RD survey of villages				
DCRA	1998	Funded	Utility/Lodge Building - Comments: Capital Matching	Completed	\$125,000		
DEC/VSW	1997	Funded	Water, Sewer, Landfill Study - Comments: OTHER FUNDING: EPA/IG - 1997 - \$61,300. Study to investigate alternatives to eliminate water haul and honeybuckets	Completed	\$122,600		LMCF, Inc.
HUD/CGP	1997	Funded	Housing Modernization - Comments: Energy work, exterior doors, windows	Completed	\$25,875		
DCRA	1997	Funded	Utility/Lodge Building - Comments: Capital Matching	Completed	\$25,000		
DCRA	1996	Funded	Utility/Lodge Building - Comments: Capital Matching	Completed	\$143,420		
Lead Agency	Fiscal Year	Project Status	Project Description/Comments	Project Stage	Total Cost	Schedule	Contractor
DCRA	1996	Funded	Woodworking Equipment For Youth Coffin Business - Comments: RDAWoodworking Equipment For Youth Coffin Business	Completed	\$20,000		
HUD/CGP	1995	Funded	Housing Modernization	Completed	\$117,439		
DCRA	1995	Funded	Utility/Lodge Building - Comments: Capital Matching	Completed	\$26,247		
DCRA	1994	Funded	Sterling Landing Improvements/to Ophir Road - Comments: Legislative Grant	Completed	\$65,000		
HUD/CGP	1993	Funded	Housing Modernization - Comments: Major renovations - 5 units	Completed	\$147,750		
ANTHC	1991	Funded	Washeteria water intake, transmission line, septic system - Comments: IHS funding	Completed	\$250,000		
DEC/VSW	1983	Funded	Sewage Disposal Study - Comments: Study to investigate the feasibility of on-site wastewater disposal for 12 homes	Completed	\$25,000		
DEC/VSW	1983	Funded	Water - Comments: Drill water wells and construct nine small water systems to serve individual homes	Completed	\$100,000		
FAA	2010	Planned	Construct New Airport - Comments: OTHER FUNDING: AkDOT/PF	N/A	\$14,700,000		

Alaska Native Claims Settlement Act (ANCSA) Land Status

ANCSA Land Entitlement:

Village Corporation: MTNT, Limited

12(a) Land Entitlement: 69,120 acres (see note 1) 12(b) Land Entitlement: 0 acres (see note 2)

Other Land Entitlements:

14(c)(3) Land Status:

14(c)(3) Status: Completed (see note 3)

14(c)(3) Comments:

14(c)(3) Agreement Signed: No

Map of Boundaries done: Yes

Date Plat Filed: 03/23/1990 Plat Number: 90-2

Recording District: Mt. McKinley

Municpal Land Trust: Yes

Appropriate Village Entity: Takotna Community Association (see note 4)

Notes:

- 1. ANCSA 12(a) land entitlement to village corporation from federal government.
- ANCSA 12(b) land reallocated to village corporation from Regional Native Corporation.
- 3. Under ANCSA 14(c)(3), village corporations must reconvey certain land to the local city government or the state in trust to provide for community use and expansion.
- Recognized village group which represents the views of residents on municipal trust land acquisition and management in accordance with AS 44.33.755(b) and 3 AAC 190.110 - 150.

Webmaster

L.



PROJECT IDENTIFICATION/CONDITIONS/FINDING

A.	City/County:Takotna
	Certifying Officer: Egor Esipov, LCMF, LLC
	Project Name: <u>Takotna Electrical Distribution System Upgrade</u>
	Project Location(s) (major streets, other identification):
	The Community of Takotna, Alaska
B.	Lead Agency: State of Alaska, Alaska Energy Authority/Rural Energy Group
	Address: 813 W. Northern Lights Blvd., Anchorage, AK 99503
	Project Representative: Alan Fetters
	Telephone Number: 907-771-3063
C.	Project Approval Conditions (List all mitigation measures necessary to alleviate adverse
	environmental impacts, and include them in the project contract as requirements.)
	1
	2
	3
	4
	5.
D.	FINDING: The project will have a significant effect on the human environment: Yes No
	If "Yes", preparation of an Environmental Impact Statement is required.
E.	This assessment was prepared by:
	Signature
	Title/Agency Assistant Project Manager, LCMFLLC
	Date 03/23 //0



Project Description for Electrical Fuel Upgrade Takotna, Alaska

Takotna is located in Interior Alaska on the north bank of the Takotna River in a broad scenic river valley, 17 air miles west of McGrath in the Kilbuck-Kuskokwim Mountains. It lies at approximately 62.988610 North Latitude and -156.064170 West Longitude. (Sec. 35, T034N, R036W, Seward Meridian.) Takotna is located in the Mt. McKinley Recording District. Takotna has a cold, continental climate. Summer temperatures average 42 to 80, winter temperatures range from -42 to 0. The Takotna River is generally ice-free from June through October.

The scope of this project is to upgrade electrical distribution system in the community of Takotna. Specifically, the project will retire the existing 480 volt distribution system and replace it with a new 12,470/7,200 volt distribution system. Some poles will be re-framed; some poles will be replaced in place; some poles will be retired; and new poles will be added. New pole mounted transformers, #2 ACSR open wire primary, 1/0 triplex secondary, and #2 triplex secondary will be provided. Existing street lights will be grounded and some will be relocated to new poles. Existing service drops will be swung to new or relocated poles and spliced as necessary.

Approximately 2.5 miles of new primary underground circuit will be provided (beginning at pole 24) to serve homes that currently do not have electric service. The new underground primary circuit is proposed to be installed within the existing road bed, with sectionalization cabinets (junction boxes) located outside of the driven way, adjacent to the road.

A locally available gravel source will be the material source for the proposed project.

Takotna does not participate in the National Flood Insurance Program. The U.S. Army Corps of Engineers — Flood Plain Management Services ALASKAN COMMUNITIES FLOOD HAZARD DATA 2010 publication states "Takotna has no record of flooding. However, residents state that Gold Creek, east of the community, floods due to ice jams, causing road closure to Tatalina LRRS and Ophir".

Construction of the project will begin in the spring of 2010, with project completion set for fall 2013. The construction will incorporate all applicable State, Federal and local regulations, codes and standards regarding building and environmental safety.

Flood Hazard Data: Takotna Page 1 of 1

Takotna | Council Office: (907) 298-2212 | Revised:

no

STATUS unincorporated LAST FLOOD EVENT 48 **POPULATION** FLOOD CAUSE BUILDINGS **ELEVATION** Takotna River RIVER SYSTEM FLOOD OF RECORD none COASTAL AREA FLOOD CAUSE **ELEVATION** not participating **NFIP STATUS** WORST FLOOD EVENT yes FLOODPLAIN REPORT FLOOD CAUSE

FLOOD GAUGE

no

Comments: Takotna has no record of flooding. However, residents state that Gold Creek, east of the community, floods due to ice jams, causing road closure to Tatalina LRRS and Ophir.

Floodplain Manager (907) 753-2610

FLOOD INSURANCE STUDY



Takotna Electrical Distribution System Upgrade, Project ID number 350289

ENVIRONMENTAL REVIEW FINDING

On the basis of the environmental assessment of the above project, I have made the following finding.

X

A FINDING OF NO SIGNIFICANT IMPACT

I find that this project is not a major federal action which will have a significant effect on the human environment and that a request to HUD for the release of project funds will not require an Environmental Impact Statement.

March 23, 2010

Egor Esipov

Assistant Project Manager

LCMF_{LLC}

615 E. 82nd Ave., Suite 300

Anchorage, AK 99518

Signature, Title & Address of Certifying Officer

A FINDING OF SIGNIFICANT IMPACT

I find that this project is a major federal action which may or will have a
significant effect on the human environment and that a request to HUD for the
release of project funds will require an Environmental Impact Statement.

Signature, Title & Address of Certifying Officer



IMPACT CATEGORIES

Source Documentation (Additional materials may be attached.)

Socioeconomic		•
Demographic/ Character Changes	2	The project will not change the character of the village.
Displacement	1	None.
Employment and Income Patterns	2	Short term local employment may increase during construction of the upgrades to the electrical distribution system.
Community Facilities and Services		
Educational Facilities	2	Improved reliability and cost of electricity for village commercial sales.
Commercial Facilities	2	Improved reliability and cost electricity for village commercial sales.
Health Care	2	Decreased risk due to loss of power at health clinic.
Social Services	1	No likely effects.

Choose from the following list, as applicable, to each Impact Category and enter the appropriate number in the boxes beside each category being evaluated:

- 1 No impact is anticipated.
- 2 Potentially beneficial.
- 3 Potentially adverse, requires documentation only.
- 4 Requires mitigation.
- 5 Requires project modification.

IMPACT CATEGORIES

Source Documentation (Additional materials may be attached.)

Community Facilities and Services (cont.)					
Solid Waste	2	Will ultimately require removal of old street lighting facilities, transformers.			
Waste Water	1	No impact anticipated.			
Storm Water	1	No impact anticipated.			
Public Safety-Police	1	No impact anticipated.			
Public Safety-Fire	1	No impact anticipated.			
Emergency Medical Facilities	2	Increased reliability of equipment due to reliability of electricity.			
Open Space	1	No impact anticipated.			
Recreation	1	No impact is anticipated.			
Cultural Facilities	1	No impact is anticipated.			
Transportation	1	No impact is anticipated.			

Choose from the following list, as applicable, to each Impact Category and enter the appropriate number in the boxes beside each category being evaluated:

- 1 No impact is anticipated.
- 2 Potentially beneficial.
- 3 Potentially adverse, requires documentation only.
- 4 Requires mitigation.
- 5 Requires project modification.

IMPACT CATEGORIES

Source Documentation (Additional materials may be attached.)

1	No impact anticipated.
1	No impact anticipated.
1	None.
1	No impact is anticipated.
2	Construction of new electrical distribution system will greatly reduce the risk of adverse impacts associated with unreliable electricity and will be code compliant.
	1 1

Choose from the following list, as applicable, to each Impact Category and enter the appropriate number in the boxes beside each category being evaluated:

- 1 No impact is anticipated.
- 2 Potentially beneficial.
- 3 Potentially adverse, requires documentation only.
- 4 Requires mitigation.
- 5 Requires project modification.



STATUTORY WORKSHEET

For Denali Commission Funding

Use this Worksheet for projects which are Categorically Excluded, per Section 58.35. Categorically excluded activities listed at 58.35(c) need only document compliance with "*" asterisked factors below.

Takotna Electrical Distribution System Upgrade

PROJECT NAME and DESCRIPTION (LIST ALL PROJECT ACTIVITIES):

The activities of this project are all EXEMPT OR CATEGORICALLY EXCLUDED, per Section 58.35(a)(1 through 6). Cite the applicable subsection of 58.35 in the space above and complete this Worksheet (see Instructions on reverse side), and then sign and date this form, and retain in the ERR. Write "A" in the Status Column when the project, by its nature, cannot affect the resources under consideration. Write "B" when compliance triggers formal consultation procedures with oversight agencies. Source documentation must be credible, traceable and supportive of the finding made.

Compliance Factors:

Statutes, Executive Orders, and	Status	
Regulations (24 CFR 58.5)	A/B	Supporting Documentation (SD)
Historic Preservation	A	No historic properties affected based upon
		conditions of review file # 3130-2R Denali
		Commission dated 3/1/10.
Floodplain Management	A	Project to be constructed above known flood
		elevation per construction documents
Wetlands	Α	Project assigned number POA-2010-73 dated
		2/25/10
Coastal Zone	Α	Review not required, not a coastal community
Sole Source Aquifers	A	
Endangered Species	Α	
Wild and Scenic Rivers	Α	
Air Quality	A	
Farmland Protection	А	
HUD ENVIRONMENTAL STANDARDS		
Noise Abatement and Control	A	
(24 CFR 51B)		
Explosive and Flammable	Α	
Operations (24 CFR 51C)		
Toxic Chemicals/Radioactive	А	
Materials (HUD Notice 79-33)		
Airport Clear Zones and Accident	A	
Potential Zones (24 CFR 51D & 58.6(c))		
Flood Insurance (24 CFR 58.6(a))	A	

Check the box which applies to this project:

(X) The project converts to Exempt, per Section 58.34(a)(10), because it will not result in a violation of any statutes or authorities, nor requires a permit or license (all the statutes listed below have the letter "A" marked in the column). Funds may be drawn down for this (now) EXEMPT activity.

This project cannot convert to Exempt. One or more statues require consultation or mitigation. Complete consultation/mitigation requirements, publish NOI/RROF and complete draw down procedures, per Section 58.71.

() This project or activity may have a significant environmental impact and thus requires preparation of an Environmental Assessment. Complete the Format III form and application public notification.

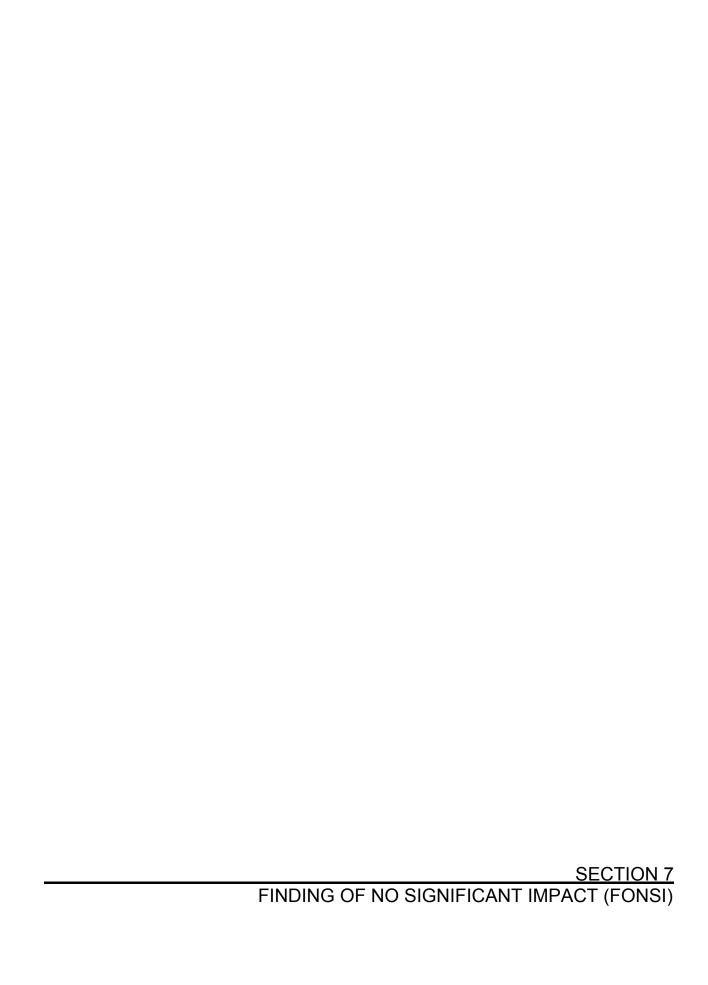
PREPARER SIGNATURE:

DATE:

03/23/10

PREPARER NAME:

Egor Esipov





NATIONAL ENVIRONMENTAL POLICY ACT FINDING OF NO SIGNIFICANT IMPACT (FONSI)

TO ALL INTERESTED AGENCIES, GROUPS AND PERSONS:

TOTAL OF THE PERSONS:
Project Title: Takotna Electrical Distribution System Upgrade
Purpose of Project: Replace existing 480 volt distribution system with 12.470/7.200 volt distribution system
Project Address, City, Country, and State: Takotna, Alaska
Federal Funding Source: Denali Commission
An Environmental Review Record for this project has been made by the Alaska Energy Authority (AEA) which documents the environmental review of the project and sets forth the reasons for a FONSI. This Environmental Review Record is available for public examination and copying upon request at AEA's Anchorage, AK office (see letterhead). No further environmental review of this project is proposed to be conducted.
AEA is certifying that its responsibilities and the responsibilities of the Federal Funding Source under the National Environmental Policy Act of 1969 have been satisfied and the project may proceed. AEA will accept an objection to its approval of this certification if it is on one of the following bases; a) That the certification was not in fact executed by the certifying officer(s); b) That AEA has omitted one or more steps in preparing the environmental review, and that correcting the omission may result in a finding of environmental significance.
All Interested agencies, groups and persons disagreeing with this decision are invited to submit written comments for consideration by AEA to its office in Anchorage, AK (see letterhead). Such written comments must be received at AEA's Anchorage, AK office not less than 15 calendar days beginning the day after the day this Notice was published) or 18 days (if this Notice is posted instead of published). All such comments so received will be considered and AEA will not take any administrative action on the project until the comment period has ended.
Objections to this project on any basis other than those stated above will not be considered by AEA. No objections received after the comment period will be considered by AEA.
Man Fetters (907) 771 - 3063 AEA Project Manager and Telephone Number)
313 W. Northern Lights Blvd, Anchorage, AK 99503 Address: City and State)
POSTMASTER, please post for 18 days, and provide two postmarks:
Odito Posted Up MAR 23 2010 USPS Walth Claude Posted Down
813 West Northern Lights Boulevard - Anchorage Aleste 00503

FAX TRANSMITTAL



615 East 82nd Ave, Suite 300 Anchorage, Alaska 99518 Voice: (907) 273-1830 FAX: (907) 273-1831

Date:

March 1, 2010

Number of pages: (including cover sheet)

2

TO:

Takotna Community Association

Attn:

Nell Hoffman

Fax:

(907) 298 - 2314

Phone:

(907) 298 - 2212

cc:

Alan Fetters, AEA

FROM:

Egor Esipov

Fax:

907-273-1831

Phone:

907-273-1849

Email:

Project No:

10-004

RE:

Takotna RPSU - FONSI

Dear Post Master;

As we discussed, the power distribution project will require that a Finding of No Significant Impact must be displayed for public notification of the project.

Please display the attached document for a period of eighteen (18) days, beginning today, March 1, 2010 through March 18, 2010, where it will be visible to the public.

Please note the two locations at the bottom of the public notice that each requires a post mark: one is marked on the date the notice is first posted and one is marked on the date of the last day the notice is posted. Please make sure that these post marks are made.

After the public notice period has ended and you have confirmed that the appropriate dates have been posted on the notice, please fax me a copy of the notice and mail me the original as follows:

LCMF, LLC

Attention: Egor Esipov

615 E. 82nd Avenue, Suite 300

Anchorage, AK 99518

Fax: 907-273-1831

If you have any questions, please call me at 907-273-1849. Thank you,

Egor Esipov LCMF, LLC





DEPARTMENT OF THE ARMY U.S. ARMY ENGINEER DISTRICT, ALASKA REGULATORY DIVISION P.O. BOX 6898 ELMENDORF AFB, ALASKA 99506-0898 FER 2 5 200

Regulatory Division POA-2010-73

Mr. Egor Esipov LCMF, LLC 615 East 82nd Avenue, Suite 300 Anchorage, Alaska 99518

Dear Mr. Esipov:

This letter responds to your February 1, 2010, request for a Department of the Army (DA) jurisdictional determination on behalf of the Alaska Energy Authority for an upgrade of an electrical distribution system. The project site is located within Section 35, T. 34 N., R. 36 W., Seward Meridian; USGS Quad Map Iditarod D-1; Latitude 62.98861° N., Longitude 156.06417° W.; at Takotna, Alaska. It has been assigned number POA-2010-73, Takotna River, which should be referred to in all correspondence with us.

The project involves the upgrade of the electrical distribution system within the community of Takotna. The facility would replace some existing poles by re-framing, replacement and addition of 18 new poles. The line would be constructed on previously disturbed ground and is 2.5 miles long.

Based on a careful review of the information you provided, we have determined that your proposed projects would not involve an activity we regulate. Therefore, a DA permit is **not** required because the work does not involve the stockpiling of fill material, nor the placement of fill material in designated wetlands. However, a permit may be required if you alter the method, scope, or location of your proposed work; you should contact us if you make changes to your projects.

Your project was reviewed pursuant to Section 404 of the Clean Water Act. Section 404 requires that a DA permit be obtained for the placement or discharge of dredged and/or fill material into waters of the U.S., including jurisdictional wetlands (33 U.S.C. 1344). The Corps defines wetlands as those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions.

Nothing in this letter excuses you from compliance with other Federal, State, or local statutes, ordinances, or regulations.

You may contact me via email at allan.g.skinner@usace.army.mil, by mail at the address above, by phone at (907) 753-2797, or toll free from within Alaska at (800) 478-2712, if you have questions. For additional information about our Regulatory Program, visit our web site at www.poa.usace.army.mil/reg.

Ellan G. Steinner

Allan G. Skinner Regulatory Specialist



February 1, 2010

Mr. Don Kuhle US Army Corps of Engineers, Alaska District P.O. Box 898 Anchorage, AK 99506-0898

Re: Wetlands Jurisdictional Determination - Proposed Electrical Distribution System Upgrade, Takotna, Alaska

Dear Mr. Kuhle,

On behalf of the Alaska Energy Authority and Errico Electrical Engineering, LLC, LCMF, LLC is submitting this application to construct the project detailed below in the community of Takotna, Alaska.

Takotna is located in Interior Alaska on the north bank of the Takotna River in a broad scenic river valley, 17 air miles west of McGrath in the Kilbuck-Kuskokwim Mountains. It lies at approximately 62.988610 North Latitude and -156.064170 West Longitude. (Sec. 35, T034N, R036W, Seward Meridian.) Takotna is located in the Mt. McKinley Recording District.

The scope of this project is to upgrade electrical distribution system in the community of Takotna. Specifically, the project will retire the existing 480 volt distribution system and replace it with a new 12,470/7,200 volt distribution system. Some poles will be re-framed; some poles will be replaced in place; some poles will be retired; and 18 ea. new poles will be added. Existing street lights will be grounded and some will be relocated to new poles. Existing service drops will be swung to new or relocated poles and spliced as necessary. The entire project will be constructed on previously disturbed ground.

Additionally, about 2.5 miles of new primary underground circuit will be provided (beginning at pole 24) to serve homes that currently do not have electric service. The new underground primary circuit is proposed to be installed within the existing road bed, with sectionalization cabinets (junction boxes) located outside of the driven way, adjacent to the road.

Takotna does not participate in the National Flood Insurance Program. The U.S. Army Corps of Engineers – Flood Plain Management Services ALASKAN COMMUNITIES FLOOD HAZARD DATA 2010 publication states "Takotna has no record of flooding. However, residents state that Gold Creek, east of the community, floods due to ice jams, causing road closure to Tatalina LRRS and Ophir".

Architecture

Engineering

Surveying

Project Management

615 E 82nd Ave Ste 300 Anchorage, AK 99518 Voice (907) 273-1830 Fax (907) 273-1831

P.O.Box 955 Barrow, AK 99723 Voice (907) 852-8212 Fax (907) 852-8213 US Army Corps of Engineers February 1, 2010 Page 2

Construction of the project will begin in the spring of 2010, with project completion set for fall 2013. The construction will incorporate all applicable State, Federal and local regulations, codes and standards regarding building and environmental safety.

A locally available gravel source will be the material source for the proposed project.

Thank you for your attention to this request. If you have any questions, or require additional information, please contact me at (907) 273-1849, by fax at (907) 273-1831 or by email at eesipov@lcmf.com.

Sincerely,

Egor Esipov LCMF, LLC

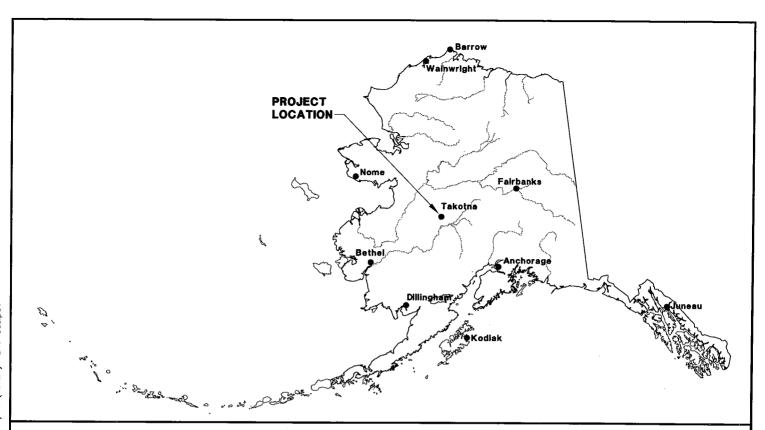
EVE:eve:10-004

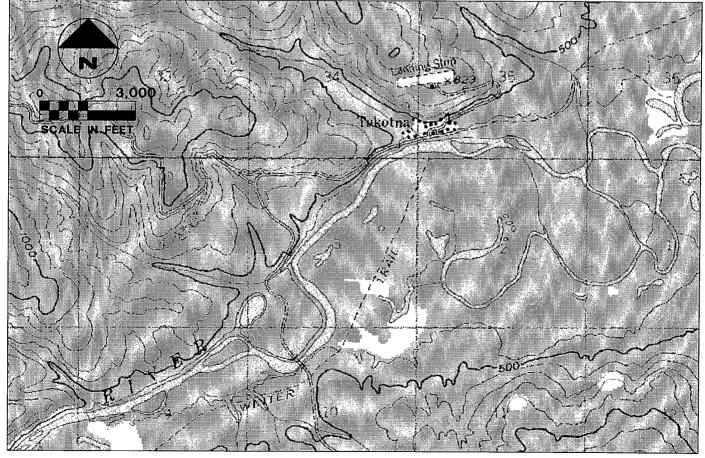
Attachments: Vicinity Map; Project Site Layout Map; Takotna Distribution Upgrade

East Layout; Trench Detail; Pole Detail.

cc: Joe Daniels, LCMF, LLC

Gregory Errico, Errico Electrical Engineering, LLC





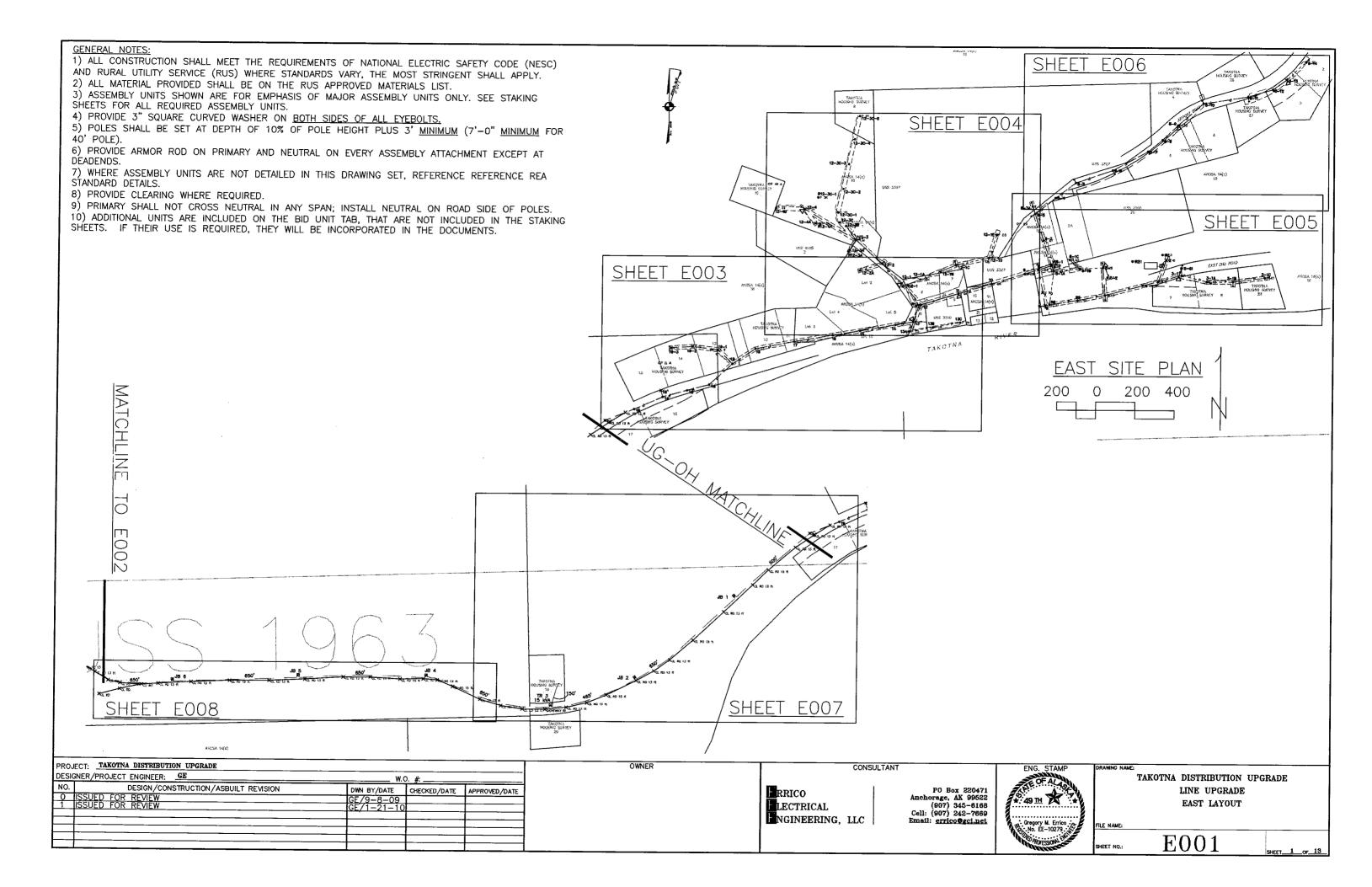
USGS QUADRANGLE: IDITAROD D-1

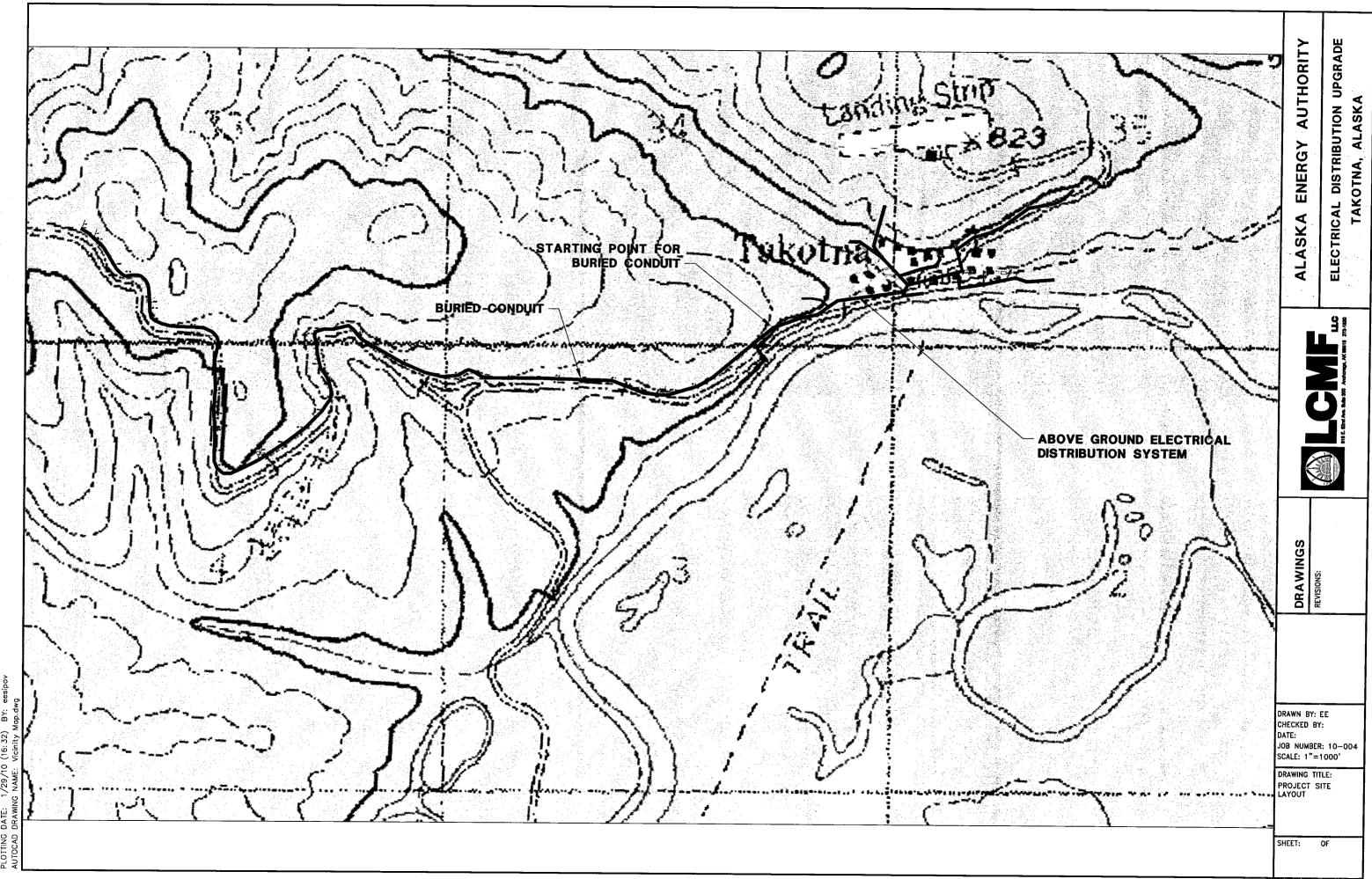


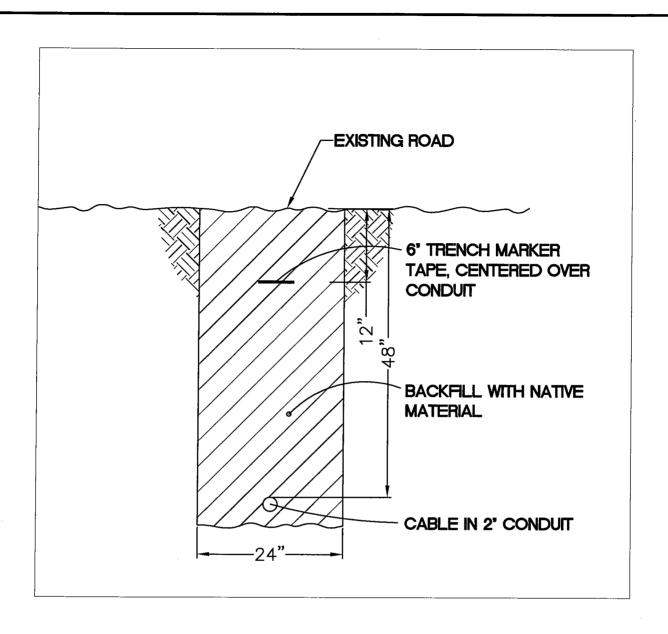
VICINITY MAP ELECTRICAL DISTRIBUTION SYSTEM

TAKOTNA, ALASKA

DATE:	1/29/10	DRAWN BY:	EE	SHEET:	
SCALE:	AS SHOWN	CHECKED BY:	JD	W.O. No:	10-004





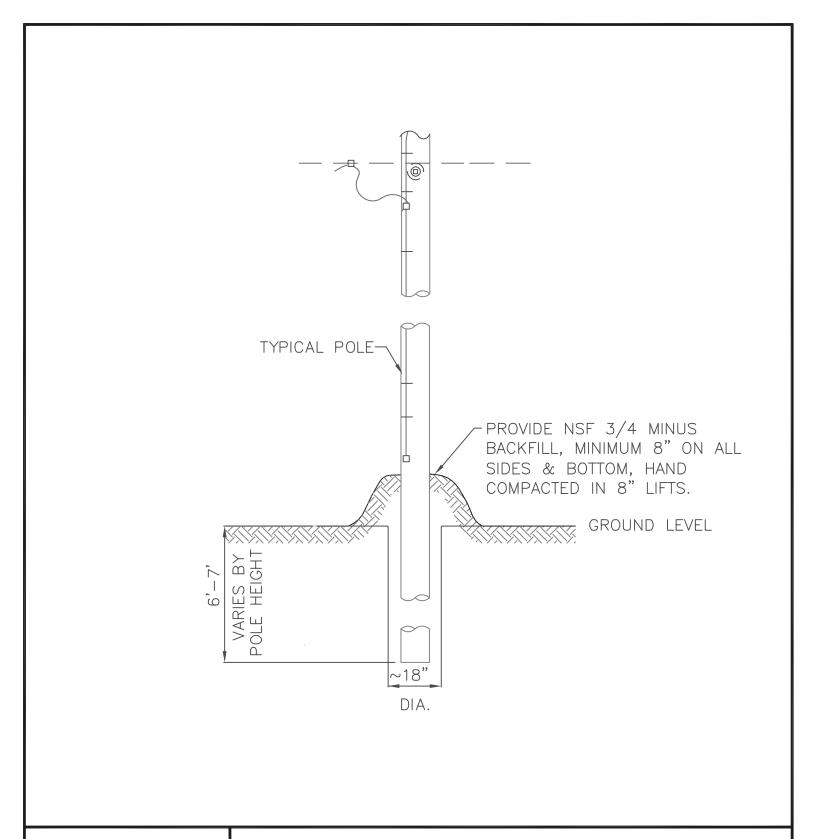


BASIC TRENCH DETAIL—not to scale TAKOTNA DISTRIBUTION LINE UPGRADE

ERRICO
LECTRICAL
NGINEERING, LLC

PO Box 220471 Anchorage, AK 99522 (907) 345-6168 Cell: (907) 242-7669 Email: errico@gci.net

SKE-01



POLE DETAIL-not to scale TAKOTNA DISTRIBUTION LINE UPGRADE

ERRICO
ELECTRICAL
ENGINEERING, LLC

PO Box 220471 Anchorage, AK 99522 (907) 345-6168 Cell: (907) 242-7669 Email: errico@gci.net

SKE-03





January 29, 2010

RECEIVED

FEB 0 2 2010

Ms. Judith Bittner
State of Alaska
Department of Natural Resources
Office of History and Archaeology
550 W. 7th Avenue, Suite 1310
Anchorage, AK 99501-3565

No Historic Properties Affected
Alaska State Historic Preservation Officer

Date. 3/1/10

File No. 3130-ZR AEA

TK

Re:

Section 106 Review

Electrical Distribution Upgrade, Takotna, Alaska

Dear Ms. Bittner,

On behalf of the Alaska Energy Authority and Errico Electrical Engineering, LLC, LCMF, LLC is requesting information concerning the presence of any listed or potential historic or cultural resources that could be impacted by the proposed construction, as described below, located at Takotna, Alaska.

Takotna is located in Interior Alaska on the north bank of the Takotna River in a broad scenic river valley, 17 air miles west of McGrath in the Kilbuck-Kuskokwim Mountains. It lies at approximately 62.988610 North Latitude and -156.064170 West Longitude. (Sec. 35, T034N, R036W, Seward Meridian.) Takotna is located in the Mt. McKinley Recording District.

The scope of this project is to upgrade electrical distribution system in the community of Takotna. Specifically, the project will retire the existing 480 volt distribution system and replace it with a new 12,470/7,200 volt distribution system. Some poles will be re-framed; some poles will be replaced in place; some poles will be retired; and 18 ea. new poles will be added. Existing street lights will be grounded and some will be relocated to new poles. Existing service drops will be swung to new or relocated poles and spliced as necessary.

Architecture

Engineering

Surveying

Project Management

615 E 82nd Ave Ste 300 Anchorage, AK 99518 Voice (907) 273-1830 Fax (907) 273-1831

P.O.Box 955 Barrow, AK 99723 Voice (907) 852-8212 Fax (907) 852-8213 About 2.5 miles of new primary underground circuit will be provided (beginning at pole 24) to serve homes that currently do not have electric service. The new underground primary circuit is proposed to be installed within the existing road bed, with sectionalization cabinets (junction boxes) located outside of the driven way, adjacent to the road.

Takotna does not participate in the National Flood Insurance Program. The U.S. Army Corps of Engineers - Flood Plain Management Services ALASKAN COMMUNITIES FLOOD HAZARD DATA 2010 publication states "Takotna has no



January 29, 2010

Ms. Judith Bittner
State of Alaska
Department of Natural Resources
Office of History and Archaeology
550 W. 7th Avenue, Suite 1310
Anchorage, AK 99501-3565

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P.O.Box 955 Barrow, AK 99723 Voice (907) 852-8212 Fax (907) 852-8213 Department of Natural Resources Office of History and Archaeology January 29, 2010 Page 2

record of flooding. However, residents state that Gold Creek, east of the community, floods due to ice jams, causing road closure to Tatalina LRRS and Ophir".

Construction of the project will begin in the spring of 2010, with project completion set for fall 2013. The construction will incorporate all applicable State, Federal and local regulations, codes and standards regarding building and environmental safety.

A locally available gravel source will be the material source for the proposed project.

There are several recorded historic sites within and around the community of Takotna (see attached citations). The nearby recorded sites are: IDT-00270 Takotna Airstrip, IDT-00272 two marked graves, IDT-00273 old village cemetery, IDT-00274 new village cemetery, IDT-00057 Takotna flat trail, IDT-00268 and IDT-00267 Takotna-Nixon Fork winter and summer trails. IDT-00273 old village cemetery, IDT-00274 new village cemetery and Takotna-Nixon Fork trails appear to be closest to the proposed project area. The project calls either to replace or abandon the existing electrical poles in those areas, therefore there will be no impact to the historical sites.

The entire project will be constructed on previously disturbed ground, the installation of new 18 electrical poles will be adjacent to the existing ones and none of which within any historical sites. The installation of new approximately 2.5 miles of buried conduit will be within roadbed of an existing road to the east of the community, where no historical sites are recorded.

Currently, the U.S. Army Corps of Engineers is reviewing the project to see if it would be either under Nation Wide or Department of the Army permits. The clarification request letter was filed on January 29, 2010 to the following contact:

Mr. Don Kuhle

U.S. Army Corps of Engineers - Alaska Division

P.O. Box 6898

Elmendorf Air Force Base, AK 99506-0898

Phone: 907-753-2712

Email: don.p.kuhle@usace.army.mil

Thank you for your attention to this request. If you have any questions, or require additional information, please contact me at (907) 273-1849, by fax at (907) 273-1831 or by email at eesipov@lcmf.com.

Sincerely,

Egor Esipov.

Department of Natural Resources Office of History and Archaeology January 29, 2010 Page 3

EVE:eve:10-004

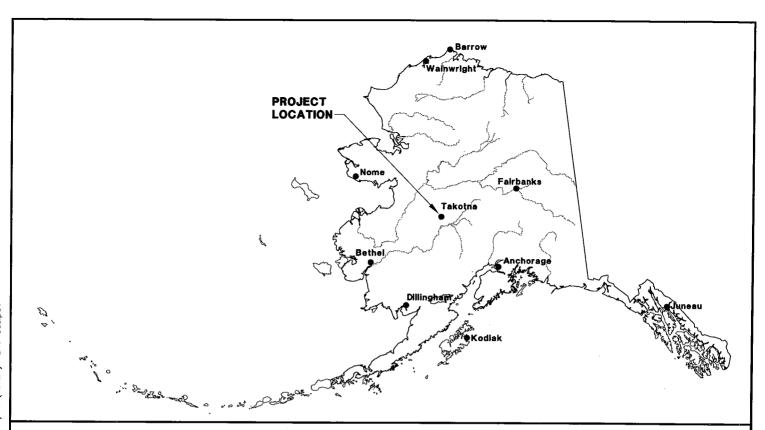
Attachments: Vicinity Map; Project Site Layout Map; Takotna Distribution Upgrade

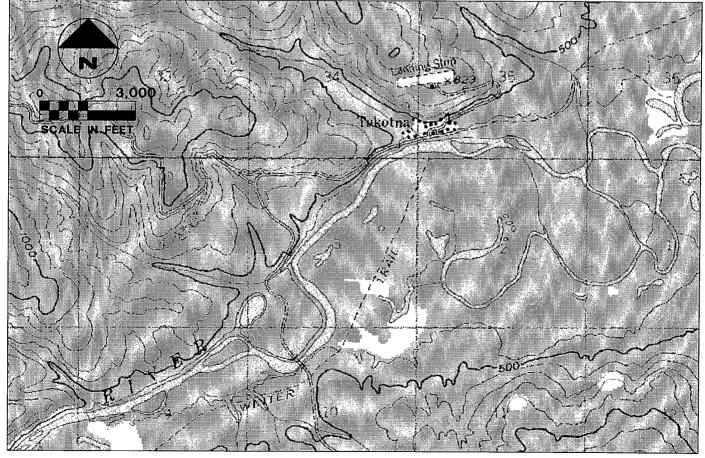
East Layout; Office of History & Archaeology Location Snapshots;

Alaska Heritage Resources Surveys, Trench Detail.

cc: Joe Daniels, LCMF, LLC

Gregory Errico, Errico Electrical Engineering, LLC





USGS QUADRANGLE: IDITAROD D-1



VICINITY MAP ELECTRICAL DISTRIBUTION SYSTEM

TAKOTNA, ALASKA

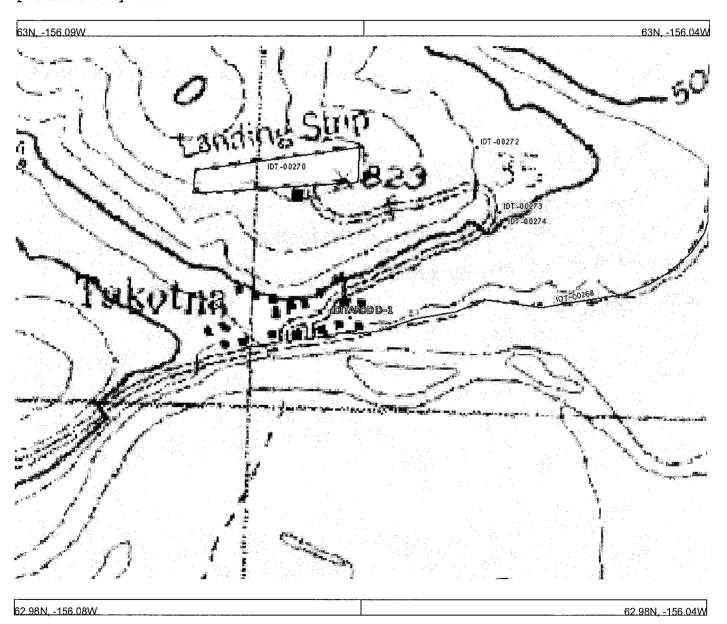
DATE:	1/29/10	DRAWN BY:	EE	SHEET:	
SCALE:	AS SHOWN	CHECKED BY:	JD	W.O. No:	10-004

Office of History & Archaeology

AHRS Location Snapshot

For information contact the Alaska Office of History & Archaeology at (907) 269-8721 Mon Jan 25 14:10:19 AKST 2010

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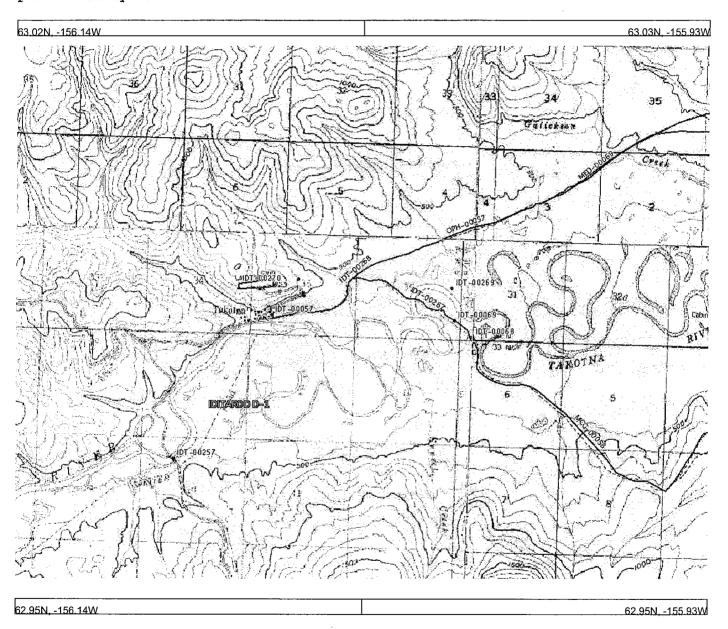


Office of History & Archaeology

AHRS Location Snapshot

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Alaska Office of History and Archaeology

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SITE #: IDT-00270

MAPSHEET: D1 MTRS: S034N036W34 AREA:1.0

PRESERVATION STATUS: NRJ

NHR DATE: 1-20-2006

TAKOTNA AIRSTRIP

Constructed by the ARC and completed in June 1926. The original airstrip measured 1000' x 500'. By 1984 the airstrip measured 2000' x 80'. It was originally built to facilitate mail service throughout the area. It is one of the oldest airfields in the region. The airstrip will be replaced by a new one in 2010. It may be used as fill for the new airstip.

SITE SIGNIFICANCE:

Considered not eligible for the NRHP.

LOCATION:

Located on a hill N of the village of Takotna.

ASSIGNTO:

ADP 3330-6 FILE

CITATIONS:

ADP 3330-6 file (IDT-270)

CRC/Yarborough 03/05 (AR of Three Mat Sites Takotna Airport MP...)

DANGER OF DESTRUCTION:

CONDITION: A

ASSOCIATED DATE: AD 1926 to present

ENVIRON: 12

PERIOD: Historic/Modern

RESOURCE NATURE: Site, Airfield, Transportation, Government

CULTURAL AFFILIATION: Euroamerican

OWNER: State of Alaska, DOT

REPOSITORY: ACCESSION:

BIA/BLM#:

OTHER#:

RELIABILITY: A1 CODED BY: LCH

Date of Entry: 1-31-2006

Alaska Office of History and Archaeology

For information contact the Alaska Office of History & Archaeology at (907) 269-8721 Compiled: Mon Jan 25 14:18:48 AKST 2010

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SITE #: IDT-00272

MAPSHEET: D1

MTRS: S034N036W35 AREA:0.25

PRESERVATION STATUS: NDE

NHR DATE:

IDT-00272

Site consists of two marked graves, along the E side of the N loop of the airstrip access road.

SITE SIGNIFICANCE:

LOCATION:

Located ESE of the old Takotna airstrip, on the SW side of a large spoil pile, E of the airstrip access road.

ASSIGNTO:

CRC/YARBOROUGH

CITATIONS:

CRC/Yarborough 03/05 (AR of Three Mat Sites Takotna Airport MP...)

DANGER OF DESTRUCTION:

CONDITION: A

ASSOCIATED DATE:

ENVIRON: 12

PERIOD: Historic/Modern

RESOURCE NATURE: Site, Graves

CULTURAL AFFILIATION:

OWNER:

REPOSITORY:

ACCESSION:

BIA/BLM#:

OTHER#:

RELIABILITY: A1 CODED BY: LCH

Date of Entry: 9-29-2009

Alaska Office of History and Archaeology

For information contact the Alaska Office of History & Archaeology at (907) 269-8721 Compiled: Mon Jan 25 14:17:46 AKST 2010

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SITE #: IDT-00273

MAPSHEET: D1

MTRS: S034N036W35 AREA:0.25

PRESERVATION STATUS: NDE

NHR DATE:

IDT-00273

Old Takotna village cemetery, containing an unknown number of graves. Likely dates to the 1950s and earlier.

SITE SIGNIFICANCE:

LOCATION:

Within the village of Takotna, E of the old airstrip.

ASSIGNTO:

CRC/YARBOROUGH

CITATIONS:

CRC/Yarborough 03/05 (AR of Three Mat Sites Takotna Airport MP...)

DANGER OF DESTRUCTION:

CONDITION: A

ASSOCIATED DATE:

ENVIRON: 12

PERIOD: Historic

RESOURCE NATURE: Site, Cemetery

CULTURAL AFFILIATION:

OWNER:

REPOSITORY:

ACCESSION:

BIA/BLM#:

OTHER#:

RELIABILITY: A1 CODED BY: LCH

Date of Entry: 9-29-2009

Alaska Office of History and Archaeology

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SITE #: IDT-00274

MAPSHEET: D1

MTRS: S034N036W35 AREA:0.25

PRESERVATION STATUS: NDE

NHR DATE:

IDT-00274

New Takotna village cemetery, contains an unknown number of graves.

SITE SIGNIFICANCE:

LOCATION:

Within the village of Takotna, E of the old airstrip.

ASSIGNTO:

CRC/YARBOROUGH

CITATIONS:

CRC/Yarborough 03/05 (AR of Three Mat Sites Takotna Airport MP...)

DANGER OF DESTRUCTION:

CONDITION: A

ASSOCIATED DATE:

ENVIRON: 12

PERIOD: Modern

RESOURCE NATURE: Site, Cemetery

CULTURAL AFFILIATION:

OWNER:

REPOSITORY:

ACCESSION:

BIA/BLM#:

OTHER#:

RELIABILITY: A1 CODED BY: LCH

Date of Entry: 9-29-2009

Alaska Office of History and Archaeology

For information contact the Alaska Office of History & Archaeology at (907) 269-8721 Compiled: Mon Jan 25 14:17:46 AKST 2010

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SITE #: IDT-00267

MAPSHEET: D1 MTRS: S033N035W06 AREA:

PRESERVATION STATUS: NRE

NHR DATE: 1-20-2006

TAKOTNA-NIXON FORK SUMMER TRAIL [INHT]

The takotna-Nixon Fork Summer and Winter (IDT-268) Trails formed part of the mail route from Nenana to Flat. They connected at Takotna with the Takotna-Flat Primary Iditarod Trail (IDT-059), the main trail in the area. The summer trail extends approx 15.5 mi. E from Takotna along Porcupine Ridge to the point where the Nixon Fork empties into the Takotna River. The trail was used for pack horse transportation of goods that could not be moved by boat beginning in the early 1900s. The trail will be impacted by airport construction in 2010, as a result the trail easement will be relocated around the airport. The summer trail is listed as ARC Route 80G, on the USGS map it heads NE from Takotna and does not cross the River. [See also MCG-058, MED-068, IDT-268]

SITE SIGNIFICANCE:

Associated with the Iditarod National Historic Trail. The Takotna-Nixon Fork Winter Trail (IDT-268), in use since the early 1900s is the older of the two trails and may date to the establishment of Takotna in 1908. The summer trail was built by the ARC during FY 1924 as a pack horse trail. It runs N of and roughly parallel to the winter trail, along the edge of higher and drier foothills above the Takotna River. The trail is eligible for the NRHP under Criterion A as a component part of the Iditarod NHT system. The Iditarod system was designated a NHT in 1968.

LOCATION:

Within the Iditarod Quad map the trail runs on the N side of the Takotna River W to the town of Takotna.

ASSIGNTO:

ADP 3330-6 FILE

Alaska Office of History and Archaeology

For information contact the Alaska Office of History & Archaeology at (907) 269-8721 Compiled: Mon Jan 25 14:17:46 AKST 2010

CITATIONS:

ADP 3330-6 file (IDT-267)

ADP 3490 file (Takotna Airport MOA... FAA, BLM, SHPO)

CRC/Yarborough 09/05 (DOE for Takotna-Nixon Fork Trails...)

2009 (Electronic AHRS Card)

DANGER OF DESTRUCTION: Construction

CONDITION: A

ASSOCIATED DATE: early 1900s to present

ENVIRON: 12

PERIOD: Historic

RESOURCE NATURE: Site, Trail, Iditarod NHT, Transportatn, Communicatn

CULTURAL AFFILIATION: Euroamerican

OWNER: BLM REPOSITORY: ACCESSION:

BIA/BLM#:

OTHER#:

RELIABILITY: A1 CODED BY: LCH

Date of Entry: 2-24-2005

Alaska Office of History and Archaeology

For information contact the Alaska Office of History & Archaeology at (907) 269-8721 Compiled: Mon Jan 25 14:18:48 AKST 2010

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SITE #: IDT-00268 MAPSHEET: D1

MTRS: S034N036W36 AREA:

PRESERVATION STATUS: NRE

NHR DATE: 1-20-2006

TAKOTNA-NIXON FORK WINTER TRAIL [INHT]

The Takotna-Nixon Fork Winter and Summer (IDT-267) Trails formed part of the mail route fron Nenana to Flat. They connected at Takotna witht he Takotna-Flat Primary Iditarod Trail (IDT-059), the main local trail. The winter trail is a 14.5 mi. long winter access route that runs NE from Takotna along the foothills above the Takotna River. The route intersects winter trails connecting McGrath and Medfra. The trail was used throughout the early 1900s for winter sled transporation and freight delivery for goods that arrivded too late in the fall to go further up river by boat to Takotna after freezeup. The trail will be impacted by planned airport construction in 2010. The trail easement will be relocated around the new airport property. ARC Route 80GG, not shown on USGS topo maps. [See also OPH-057, MED-069, IDT-267]

SITE SIGNIFICANCE:

Associated with the Iditarod National Historic Trail. The summer trail was built by the ARC during FY 1924 as a pack horse trail. The winter trail (IDT-268) is the older of the two trails and may date as early as 1908, when Takotna was established. Both trails are eligible for the NRHP under Criterion A as component parts of the Iditarod NHT system, which was designated a NHT in 1968. These trails are significant within the historic contex of transportation and communication associated with the Iditarod Trail.

LOCATION:

Within the Iditarod Quad map, the trail runs on the N side of the Takotna Irver W to the town of Takotna.

ASSIGNTO:

Alaska Office of History and Archaeology

For information contact the Alaska Office of History & Archaeology at (907) 269-8721 Compiled: Mon Jan 25 14:18:48 AKST 2010

ADP 3330-6 FILE

CITATIONS:

ADP 3330-6 file (IDT-268)

ADP 3490 file (Takotna Airport MOA... FAA, BLM, SHPO)

CRC/Yarborough 09/05 (DOE for Takotna-Nixon Fork Trails...)

2009 (Electronic AHRS Card)

DANGER OF DESTRUCTION: Construction

CONDITION: A

ASSOCIATED DATE: early 1900s to present

ENVIRON: 12

PERIOD: Historic

RESOURCE NATURE: Site, Trail, Iditarod, Communication, Transportation

CULTURAL AFFILIATION: Euroamerican

OWNER: BLM REPOSITORY: ACCESSION:

BIA/BLM#:

OTHER#:

RELIABILITY: A1 CODED BY: LCH

Date of Entry: 2-24-2005

Alaska Office of History and Archaeology

For information contact the Alaska Office of History & Archaeology at (907) 269-8721 Compiled: Mon Jan 25 14:18:48 AKST 2010

This document contains restricted information. Unauthorized circulation is prohibited by law!

SITE #: IDT-00057

MAPSHEET: D1

MTRS: S034N036W35 AREA:

PRESERVATION STATUS: NDE

NHR DATE:

CONDITION: C

ENVIRON: 1206

TAKOTNA-FLAT TRAIL [INHT-PT]

The Takotna-Flat trail is athe primary route of the Iditarod Trail between Takotna (IDT-045) and Flat (IDT-005). The trail begins at Takotna and runs south and west up the Takotna River then up Fourth of July Creek, down Bonanza Creek, past the Moore Creek Halfway Cabin (IDT-031) and the Bonanza Creek Shelter Cabin (IDT-030), west to the towns of Discovery and Flat. This trail was used primarily in the winter. It runs along lowlands, making it inaccessible during the summer.

SITE SIGNIFICANCE:

Associated with the Iditarod National Historic Trail.

LOCATION:

The trail runs southwest from Takotna up Fourth of July Creek, then down part of Bonanza Creek, and west to the towns of Discovery and Flat.

ASSIGNTO:

CITATIONS:

BLM Iditarod Trail Files

DANGER OF DESTRUCTION: None reported

ASSOCIATED DATE: AD 1909

PERIOD: Historic

RESOURCE NATURE: Site, Trail, INHT CULTURAL AFFILIATION: Euroamerican

OWNER:

REPOSITORY:
ACCESSION:

Alaska Office of History and Archaeology

For information contact the Alaska Office of History & Archaeology at (907) 269-8721

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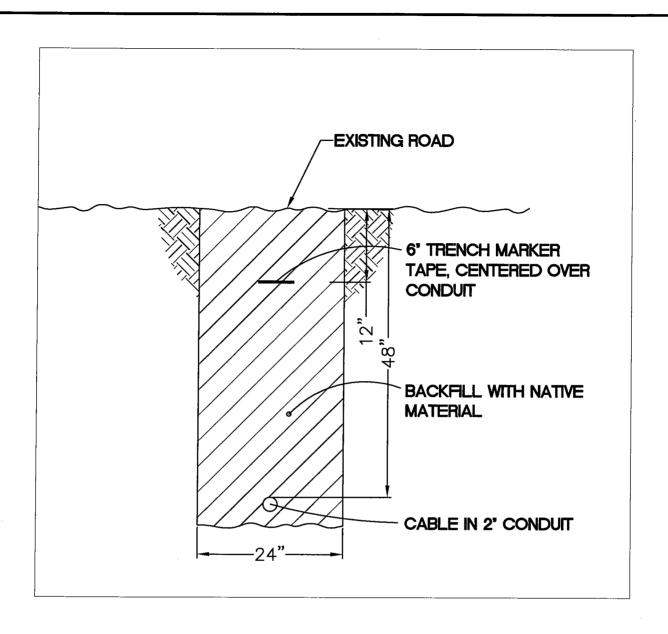
BIA/BLM#:

OTHER#:

RELIABILITY: A1

CODED BY: JFC

Date of Entry: 4-6-1992



BASIC TRENCH DETAIL—not to scale TAKOTNA DISTRIBUTION LINE UPGRADE

ERRICO
LECTRICAL
NGINEERING, LLC

PO Box 220471 Anchorage, AK 99522 (907) 345-6168 Cell: (907) 242-7669 Email: errico@gci.net

SKE-01

